

[illegible]

```

SSSSSSSS  AAAAAA  TTTTTTTTTT  SSSSSSSS  SSSSSSSS  FFFFFFFFFF  000000  999999
SSSSSSSS  AAAAAA  TTTTTTTTTT  SSSSSSSS  SSSSSSSS  FFFFFFFFFF  000000  999999
SS        AA      AA      TT        SS        SS        FF        00      00  99      99
SS        AA      AA      TT        SS        SS        FF        00      00  99      99
SS        AA      AA      TT        SS        SS        FF        00      00  99      99
SS        AA      AA      TT        SS        SS        FF        00      00  99      99
SSSSSSS   AA      AA      TT        SSSSSS   SSSSSS   FFFFFFFF  00      00  99999999
SSSSSSS   AA      AA      TT        SSSSSS   SSSSSS   FFFFFFFF  00      00  99999999
SS        AA      AA      TT        SS        SS        FF        0000    00  99      99
SS        AA      AA      TT        SS        SS        FF        0000    00  99      99
SS        AA      AA      TT        SS        SS        FF        00      00  99      99
SSSSSSSS  AA      AA      TT        SSSSSSSS  SSSSSSSS  FF        000000  999999
SSSSSSSS  AA      AA      TT        SSSSSSSS  SSSSSSSS  FF        000000  999999

LL        IIIIII  SSSSSSSS
LL        IIIIII  SSSSSSSS
LL        II      SS
LL        II      SS
LL        II      SS
LL        II      SS
LL        II      SSSSSS
LL        II      SSSSSS
LL        II      SS
LL        II      SS
LL        II      SS
LL        II      SS
LLLLLLLLLL IIIIII  SSSSSSSS
LLLLLLLLLL IIIIII  SSSSSSSS

```


(1)	56	DECLARATIONS
(1)	236	SATSSF09
(1)	323	SFGDV10
(1)	345	SFGDV11
(1)	367	SFGDV12
(1)	389	SFGDV13
(1)	411	SFGDV14
(1)	433	SFGDV20
(1)	456	SFGDV30
(1)	479	SFGDV31
(1)	501	SFGDV40
(1)	524	SFGDV50
(1)	547	SFGDV51
(1)	573	SFGCH10
(1)	597	SFGCH11
(1)	619	SFGCH12
(1)	645	SFGCH20
(2)	672	SFGCH30
(2)	695	SFGCH31
(2)	717	SFGCH40
(2)	740	SFGCH50
(2)	763	SFGCH51
(2)	789	SFASN10
(2)	811	SFASN11
(2)	833	SFASN12
(2)	855	SFASN20
(2)	877	SFASN40
(2)	899	SFASN41
(2)	921	SFASN42
(2)	943	SFASN43
(2)	969	SFDAS10
(2)	995	SFDAS11
(2)	1020	SFDAS12
(2)	1046	SFDMX10
(2)	1072	SFDMX11
(2)	1101	SFDMX12
(2)	1125	SFDMX13
(2)	1147	SFDMX14
(2)	1276	EXECUTE & CLEANUP
(2)	1285	TC CONTROL
(3)	1367	SUBROUTINES

```
0000 1      .TITLE SATSSF09 - SATS SYSTEM SERVICE TESTS (FAILING S.C.)
0000 2      .IDENT 'V04-000'
0000 3
0000 4
0000 5      *****
0000 6      *
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0000 24     *
0000 25     *
0000 26     *****
0000 27
0000 28
0000 29     ++
0000 30     FACILITY: SATS SYSTEM SERVICE TESTS
0000 31
0000 32     ABSTRACT: THE SATSSF09 MODULE TESTS THE EXECUTION OF CERTAIN
0000 33     VMS SYSTEM SERVICES, INVOKED IN SUCH A WAY AS TO EXPECT FAILING
0000 34     STATUS CODES. THE SYSTEM SERVICES TESTED AND THE STATUS CODES
0000 35     EXPECTED ARE SUMMARIZED AS ARGUMENTS TO THE TESTSERV MACROS
0000 36     WHICH APPEAR NEAR THE END OF THIS LISTING. SUCCESSFUL STATUS
0000 37     CODES ARE TESTED IN OTHER MODULES.
0000 38
0000 39
0000 40     ENVIRONMENT: USER MODE IMAGE; NEEDS CMKRNL PRIVILEGE,
0000 41     DYNAMICALLY ACQUIRES OTHER PRIVILEGES, AS NEEDED.
0000 42
0000 43     AUTHOR: THOMAS L. CAFARELLA, CREATION DATE: MMM, 1978
0000 44     PAUL D. FAY (DISPSERV & TESTSERV MACROS)
0000 45
0000 46     MODIFIED BY:
0000 47
0000 48     V03-002 LDJ0001 Larry D. Jones, 19-Apr-1984
0000 49     Enhance to extended device name length from 64 to 256.
0000 50
0000 51     V03-001 RNH0001 Richard N. Holstein, 05-Nov-1982
0000 52     Dollar signs are no longer illegal in device names,
0000 53     substitute some characters which still are.
0000 54     --
```



```
0000 56 .SBTTL DECLARATIONS
0000 57 :
0000 58 : INCLUDE FILES:
0000 59 :
0000 60 $PHDDEF ; PROCESS HEADER OFFSET SYMBOLS
0000 61 $PCBDEF ; PROCESS CONTROL BLOCK OFFSET SYMBS
0000 62 $STSDEF ; STATUS MESSAGE SYMBOLS
0000 63 $PRVDEF ; SYMBOL DEFS FOR PRIVILEGES
0000 64 $UETPDEF ; UETP MSG CODE DEFINITIONS
0000 65 $SHR_MESSAGES UETP,116,<<TEXT,INFO>>
0000 66 ;
0000 67 $PSLDEF ; DEFINE UETPS TEXT
0000 68 ; ACCESS MODE SYMBOLS
0000 69 :
0000 70 : MACROS:
0000 71 :
0000 72 : EQUATED SYMBOLS:
0000 73 :
00000000 0000 74 WARNING = 0 ; WARNING SEVERITY VALUE FOR MSGS
00000001 0000 75 SUCCESS = 1 ; SUCCESS SEVERITY VALUE FOR MSGS
00000002 0000 76 ERROR = 2 ; ERROR SEVERITY VALUE FOR MSGS
00000003 0000 77 INFO = 3 ; INFORMATIONAL SEV VALUE FOR MSGS
00000004 0000 78 SEVERE = 4 ; SEVERE (FATAL) SEV VALUE FOR MSGS
00000000 0000 79 TCG_NO = 0 ; INITIALIZE TEST CASE GROUP NUMBER
00000000 0000 80 GRP_TOTAL = 0 ; INITIALIZE TEST CASE GROUP TOTAL
00007FFF 0000 81 R0 THRU SP = ^M<R0,R1,R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,AP,FP,SP>
00000000 0000 82 MBXNAM_ASN = 0 ; MBXNAM ARG FOR $ASSIGN (MISSING ARG)
0000 83 :
0000 84 : OWN STORAGE:
0000 85 :
```


HEX	ASCII	ADDRESS	DATA	DESCRIPTION
00000000		87	.PSECT	RODATA, RD, NOWRT, NOEXE, LONG
BFFC		88	REG_COMP_MASK:	.WORD ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,AP,FP> ! ^X8000 -
0002		89		REG_COMPARE_MASK (HIGH-ORDER ...
0002		90		... BIT MUST BE ON
0002		91	ERR_MSG_FAOCTL:	STRING I,<!!AC!1ZB!1ZB: REGISTER !2UW CONTENTS ALTERED>, -
0002		92		<: BEFORE SERVICE CALL: !8XL AFTER SERVICE CALL: !8XL>
006E		93	TEST_MOD_NAME:	STRING C,<SATSSF09> ; TEST MODULE NAME
0077		94	TEST_MOD_BEG:	STRING C,<begun> ; DISPOSITION FIELD OF TEST MOD MSG
007D		95	TEST_MOD_SUCC:	STRING C,<successful> ; DISPOSITION FIELD OF TEST MOD MSG
0088		96	TEST_MOD_FAIL:	STRING C,<failed> ; DISPOSITION FIELD OF TEST MOD MSG
008F		97	TEST_MOD_NAME_D:	STRING I,<SATSSF09> ; TEST MODULE NAME DESCRIPTOR
009F		98	TTNAME:	STRING I,<TT> ; TERMINAL LOGICAL NAME
00A9		99	INADR:	.LONG NOACCESS,NOACCESS ; PAGE ADDRESS OF NOACCESS PSECT
00B1		100	PROT:	.LONG PRTSC_NA ; PROTECTION CODE FOR NOACCESS PSECT
00B5		101	ONES:	.LONG -1,-1 ; A QUADWORD OF 1-BITS
00BD		102	DEVNAM_GDV:	DEVNAM ARGUMENT FOR GETDEV
00BD		103	DEVNAM_ASN:	DEVNAM ARGUMENT FOR ASSIGN
00BD		104	MBXNAM_ASN42:	MBXNAM ARGUMENT FOR ASSIGN
00BD		105		STRING I,<SYSSDISK>
00CD		106	DEVNAM_GDV10:	STRING I,<_!a> ; DEVNAM ARGUMENT FOR GETDEV
00D8		107	DEVNAM_GDV11:	DEVNAM ARGUMENT FOR GETDEV
00D8		108	DEVNAM_ASN10:	DEVNAM ARGUMENT FOR ASSIGN
00D8		109		.LONG 0
00DC		110		.ADDRESS .
00E0		111	DEVNAM_GDV12:	DEVNAM ARGUMENT FOR GETDEV
00E0		112	MBXNAM_ASN40:	MBXNAM ARGUMENT FOR ASSIGN
00E0		113		.LONG 256
00E4		114		.ADDRESS .+4
00E8		115		.ASCII /TWO HUNDRED AND FIFTY SIX CHARACTERS/
0100				
010C		116		.BLKB 220
01E8		117	DEVNAM_GDV13:	DEVNAM ARGUMENT FOR GETDEV
01E8		118	DEVNAM_ASN11:	DEVNAM ARGUMENT FOR ASSIGN
01E8		119		STRING I,<_ZZA0:>
01F6		120	PRILEN_GDV20:	PRILEN ARGUMENT FOR GETDEV
01F6		121	SECLLEN_GDV40:	SECLLEN ARGUMENT FOR GETDEV
01F6		122	PRILEN_GCH20:	PRILEN ARGUMENT FOR GETCHN
01F6		123	SECLLEN_GCH40:	SECLLEN ARGUMENT FOR GETCHN
01F6		124		.BLKW 1
01F8		125	PRIBUF_GDV31:	PRIBUF ARGUMENT FOR GETDEV
01F8		126	SECBUF_GDV51:	SECBUF ARGUMENT FOR GETDEV
01F8		127	PRIBUF_GCH31:	PRIBUF ARGUMENT FOR GETCHN
01F8		128	SECBUF_GCH51:	SECBUF ARGUMENT FOR GETCHN
01F8		129		STRING 0,100
0264		130	MY_DISK:	STRING I,<SYSSDISK> ; LOGICAL NAME FOR USER DISK
0274		131	CHAN_GCH10:	CHAN ARGUMENT FOR GETCHN
0274		132	CHAN_DAS11:	CHAN ARGUMENT FOR DASSGN
0274		133	CHAN_DM12:	CHAN ARGUMENT FOR DELMBX
0274		134		.LONG 0
0278		135	CHAN_GCH11:	CHAN ARGUMENT FOR GETCHN
0278		136	CHAN_DAS12:	CHAN ARGUMENT FOR DASSGN
0278		137	CHAN_DM13:	CHAN ARGUMENT FOR DELMBX
0278		138		.LONG 1000000000
027C		139	CHAN_ASN20:	.BLKL 1 ; CHAN ARGUMENT FOR ASSIGN
0280		140	ACMODE_ASN:	.LONG PSLSC_USER ; ACMODE ARGUMENT FOR ASSIGN
0284		141	MBXNAM_ASN41:	STRING I,<_??> ; MBXNAM ARGUMENT FOR ASSIGN


```
00000000 143 .PSECT RWDATA, RD, WRT, NOEXE
00000004 0000 144 TPID: .BLKL 1 ; PROCESS ID FOR THIS PROCESS
00000008 0004 145 CURRENT_TC: .BLKL 1 ; PTR TO CURRENT TEST CASE
00000044 0008 146 REG_SAVE_AREA: .BLKL 15 ; SAVE AREA FOR ALL REGS (SANS PC)
007480D9 0044 147 MOD_MSG_CODE: .LONG UETPS_SATSMS ; TEST MODULE MSG CODE FOR PUTMSG
0000004C 0048 148 CLOB_REG_NO: .BLKL 1 ; CLOBBED REG NO (FOR FAO ERR MSG)
00000050 004C 149 REG_BEFORE_SS: .BLKL 1 ; REG CONTENTS BEFORE S.S.
00000054 0050 150 ; (FOR FAO ERROR MSG)
00000054 0050 151 REG_AFTER_SS: .BLKL 1 ; REG CONTENTS AFTER S.S.
00000054 0054 152 ; (FOR FAO ERROR MSG)
0000006E 005C 153 $$TSTNSS: STRING C, < SF > ; ASCII PORTION OF TEST CASE NAME
00000077 0060 154 TMN_ADDR: .ADDRESS TEST_MOD_NAME ; ADDR OF TEST MOD NAME FOR FAO
00000068 0064 155 TMD_ADDR: .ADDRESS TEST_MOD_BEG ; ADDR OF T.M. DISP FIELD FOR FAO
00000070 0068 156 TS_EP: .BLKL 1 ; ENTRY PNT FOR CURR TESTSERV MACRO
00000071 0070 157 RETADR: .BLKL 2 ; RETURN LONGWORDS FOR SETPRT
00000071 0070 158 PRVPRT: .BLKB 1 ; PROT RETURN BYTE FOR SETPRT
00000079 0071 159 PRIVMASK: .BLKQ 1 ; ADDR OF PRIVILEGE MASK (IN PHD)
0000007D 0079 160 CHM_CONT: .BLKL 1 ; CHANGE MODE CONTINUE ADDRESS
00000091 007D 161 REGS: .BLKL 5 ; AREA FOR COND INDEX REGS (R2-R6)
00000091 0091 162 PRILEN_GDV: ; PRILEN ARGUMENT FOR GETDEV
00000091 0091 163 SECLLEN_GDV: ; SECLLEN ARGUMENT FOR GETDEV
00000091 0091 164 PRILEN_GCH: ; PRILEN ARGUMENT FOR GETCHN
00000091 0091 165 SECLLEN_GCH: ; SECLLEN ARGUMENT FOR GETCHN
00000093 0091 166 .BLKW 1 ; PRIBUF ARGUMENT FOR GETDEV
00000093 0093 167 PRIBUF_GDV: ; SECBUF ARGUMENT FOR GETDEV
00000093 0093 168 SECBUF_GDV: ; PRIBUF ARGUMENT FOR GETCHN
00000093 0093 169 PRIBUF_GCH: ; SECBUF ARGUMENT FOR GETCHN
00000093 0093 170 SECBUF_GCH: ; SECBUF ARGUMENT FOR GETCHN
00000093 0093 171 STRING 0,100 ; PRIBUF ARGUMENT FOR GETDEV
00FF 172 PRIBUF_GDV30: ; PRIBUF ARGUMENT FOR GETCHN
00FF 173 PRIBUF_GCH30: ; SECBUF ARGUMENT FOR GETDEV
00FF 174 STRING 0,1 ; SECBUF ARGUMENT FOR GETCHN
0108 175 SECBUF_GDV50: ; SECBUF ARGUMENT FOR GETDEV
0108 176 SECBUF_GCH50: ; SECBUF ARGUMENT FOR GETCHN
00000000 0108 177 .LONG 0 ;
0000010C 010C 178 .ADDRESS . ;
00000000 0110 179 CHAN_GCH: .LONG 0 ; CHAN ARGUMENT FOR GETCHN
00000000 0114 180 CHAN_GCH12: .LONG 0 ; CHAN ARGUMENT FOR GETCHN
0000011A 0118 181 CHAN_ASN: .BLKW 1 ; CHAN ARGUMENT FOR ASSIGN
00000000 011A 182 CHAN_DAS: .LONG 0 ; CHAN ARGUMENT FOR DASSGN
00000000 011E 183 CHAN_DAS10: .LONG 0 ; CHAN ARGUMENT FOR DASSGN
00000000 0122 184 CHAN_DMx: .LONG 0 ; CHAN ARGUMENT FOR DELMBX
00000000 0126 185 CHAN_DMx10: .LONG 0 ; CHAN ARGUMENT FOR DELMBX
00000000 012A 186 CHAN_DMx11: .LONG 0 ; CHAN ARGUMENT FOR DELMBX
00000000 012E 187 CHAN_DMx14: .LONG 0 ; CHAN ARGUMENT FOR DELMBX
```

```
00000000 189 .PSECT SATS_ACCVIO_1, RD, WRT, NOEXE, PAGE
00000200 0000 190 EMPTY: .BLKB 512 ; RESERVE A PAGE OF SPACE
      0200 191 :
      0200 192 : +
      0200 193 : *****
      0200 194 : *
      0200 195 : * THE ORDER OF STATEMENTS IN THIS PSECT IS CRITICAL. *
      0200 196 : * DO NOT RE-ARRANGE THE VARIABLES. CONSULT SATS *
      0200 197 : * FUNCTIONAL SPECIFICATION FOR A DESCRIPTION OF THE USE *
      0200 198 : * OF THE EMPTY PSECT (AND ITS COMPANION PSECT, NOACCESS). *
      0200 199 : *
      0200 200 : *****
      0200 201 : -
      0200 202 :
      0200 203 : TYPE AAAAA_SSSX1 (TYPE AAAAA_SSSX2 IF NOT DESC) GO HERE:
000001F3 0200 204 : = - 13 ; ALLOW ROOM FOR STRING DESCRIPTOR
      01F3 205 : TYPE AAAAA_SSSX5 GO HERE:
00000006 01F3 206 : .LONG 6 ; STRING LENGTH (WILL CROSS PSECT BOUNDARY)
000001FB' 01F7 207 : .ADDRESS +4 ; STRING ADDRESS
      01FB 208 : TYPE AAAAA_SSSX3 GO HERE:
000001FC 01FB 209 : .BLKB 1 ; LOW-ORDER BYTE OF STRING LENGTH
      01FC 210 : TYPE AAAAA_SSSX2 GO HERE:
00000200 01FC 211 : .BLKL 1 ; STRING LENGTH
      0200 212 :
      0200 213 :
      0200 214 :
      0200 215 :
00000000 216 .PSECT SATS_ACCVIO_2, RD, WRT, NOEXE, PAGE
00000200 0000 217 NOACCESS: .BLKB 512 ; RESERVE A PAGE OF SPACE
00000000 0200 218 : = - 512 ; RETURN LOC CTR TO BEGINNING OF PSECT
00000000' 0000 219 : .ADDRESS EMPTY ; ADDRESS OF ACCESSIBLE STRING
00000000' 0004 220 : .ADDRESS EMPTY/^X100 ; ADDRESS OF ACCESSIBLE STRING
      0008 221 : +
      0008 222 : *** NOTE -- DO NOT CHANGE LOCATION OR SEQUENCE OF ABOVE STATEMENTS!
      0008 223 : *** THIS PSECT (NOACCESS) MUST APPEAR IN MEMORY IMMEDIATELY
      0008 224 : *** FOLLOWING THE EMPTY PSECT. PSECT NAMES AND OPTIONS WILL BE
      0008 225 : *** CHOSEN TO FORCE THE DESIRED PSECT ORDERING.
      0008 226 : -
      0008 227 :
      0008 228 DEVNAM_GDV14: STRING I, <SYSS$DISK> ; DEVNAM ARGUMENT FOR GETDEV
      0018 229 DEVNAM_ASN12: STRING I, <SYSS$DISK> ; DEVNAM ARGUMENT FOR ASSIGN
      0028 230 MBXNAM_ASN43: STRING I, <_MBO:> ; MBXNAM ARGUMENT FOR ASSIGN
      0035 231 :
      0035 232 :
      0035 233 :
00000000 234 .PSECT SATSSF09, RD, WRT, EXE, LONG
```



```
0000 236 .SBTTL SATSSF09
0000 237 :++
0000 238 : FUNCTIONAL DESCRIPTION:
0000 239 :
0000 240 : AFTER PERFORMING SOME INITIAL HOUSEKEEPING, SUCH AS
0000 241 : PRINTING THE MODULE BEGIN MESSAGE AND ACQUIRING ALL PRIVILEGES,
0000 242 : THE SATSSF09 ROUTINE EXECUTES THE TEST SERV EXEC MACRO TO RUN
0000 243 : ALL TEST CASES. WHEN THE MACRO COMPLETES ITS EXECUTION, SATSSF09
0000 244 : PRINTS A TEST MODULE SUCCESS OR FAIL MESSAGE AND EXITS TO THE
0000 245 : OPERATING SYSTEM. TEST SERV EXEC CALLS THE TC CONTROL/TESTSERV
0000 246 : CO-ROUTINE PAIR ONCE PER TEST CASE GROUP TO EXECUTE ALL TEST
0000 247 : CASES IN THAT GROUP. EACH TEST CASE GROUP IS DEFINED BY BOUNDING
0000 248 : ITS TEST CASES WITH A TC GROUP MACRO BEFORE THE FIRST TEST CASE
0000 249 : AND A TCEND MACRO AFTER THE LAST ONE. THE TEST CASES THEMSELVES
0000 250 : ARE DEFINED WITHIN THESE BOUNDS BY PRECEDING EACH WITH A
0000 251 : NEXT TEST CASE MACRO. TC CONTROL/TESTSERV EXECUTES THE CODE
0000 252 : FOLLOWING EACH NEXT TEST CASE MACRO IMMEDIATELY BEFORE ISSUING
0000 253 : THE SYSTEM SERVICE AS REQUESTED IN THE TESTSERV MACRO. TC CONTROL/
0000 254 : TESTSERV ALSO CHECKS THE RESULTS OF THE SERVICE WITH RESPECT
0000 255 : TO ITS EXPECTED STATUS CODE AND PRINTS ANY REQUIRED FAILURE
0000 256 : MESSAGES FOR THE TEST CASE. THE CODE APPEARING AFTER EACH
0000 257 : NEXT TEST CASE MACRO IS MERELY TO SET UP CONDITIONS REQUIRED
0000 258 : FOR THE SYSTEM SERVICE AND TO CLEAN UP ANY RESOURCES ACQUIRED
0000 259 : BY THE PREVIOUS TEST CASE.
0000 260 :
0000 261 : CALLING SEQUENCE:
0000 262 :
0000 263 : $ RUN SATSSF09 ... (DCL COMMAND)
0000 264 :
0000 265 : INPUT PARAMETERS:
0000 266 :
0000 267 : NONE
0000 268 :
0000 269 : IMPLICIT INPUTS:
0000 270 :
0000 271 : NONE
0000 272 :
0000 273 : OUTPUT PARAMETERS:
0000 274 :
0000 275 : NONE
0000 276 :
0000 277 : IMPLICIT OUTPUTS:
0000 278 :
0000 279 : MESSAGES TO SYSS$OUTPUT ARE THE ONLY OUTPUT FROM SATSSF09.
0000 280 : THEY ARE OF THE FORM:
0000 281 :
0000 282 : %UETP-S-SATSMS, TEST MODULE SATSSF09 BEGUN ... (BEGIN MSG)
0000 283 : %UETP-S-SATSMS, TEST MODULE SATSSF09 SUCCESSFUL ... (END MSG)
0000 284 : %UETP-E-SATSMS, TEST MODULE SATSSF09 FAILED ... (END MSG)
0000 285 : %UETP-I-TEXT, ... (VARIABLE INFORMATION ABOUT A TEST MODULE FAILURE)
0000 286 :
0000 287 : COMPLETION CODES:
0000 288 :
0000 289 : THE SATSSF09 ROUTINE TERMINATES WITH A $EXIT TO THE
0000 290 : OPERATING SYSTEM WITH A STATUS CODE DEFINED BY UETP$_SATSMS.
0000 291 :
0000 292 : SIDE EFFECTS:
```

```
0000 293 :
0000 294 : NONE
0000 295 :
0000 296 :--
0000 297 :
0000 298 :
0000 299 :
0000 300 SATSSF09:
OFFC 0000 301 .WORD ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>
0002 302 : ENTRY MASK
0002 303 $WAKE S TPID : GET PID OF THIS PROCESS
0011 304 $HIBER S : UNDO WAKE
0018 305 $SETPRN_S TEST MOD_NAME_D : SET PROCESS NAME
0025 306 BSBW MOD MSG PRINT : PRINT TEST MODULE BEGIN MSG
0028 307 MOVAL TEST MOD_SUCC,TMD_ADDR : ASSUME END MSG WILL SHOW SUCCESS
0033 308 INSV #SUCCESS,#0,#3,MOD_MSG_CODE : ADJUST STATUS CODE FOR SUCCESS
003C 309 MODE TO,10$,KRNL,NOREGS : KERNEL MODE TO ACCESS PHD
59 00000000'9F DO 0059 310 MOVL @#CTL$GL PHD,R9 : GET PROCESS HEADER ADDRESS
00000071'EF 69 DE 0060 311 MOVAL PHD$Q PRIVMSK(R9),PRIVMASK : GET PRIV MASK ADDRESS
0067 312 MODE FROM,T0$ : GET BACK TO USER MODE
0068 313 PRIV ADD,ALL : GET ALL PRIVILEGES
0088 314 DISPSERV : SET UP DISPLAY INFO FOR TESTSERV
021D 315 $SETPRT_S INADR=INADR, RETADR=RETADR, -
021D 316 PROT=PROT, PRVPRT=PRVPRT
023E 317 : SET NOACCESS PSECT ...
023E 318 : ... FOR NO USER ACCESS
OF97 31 023E 319 BRW EXECUTE : GO EXECUTE ALL TEST CASES
0241 320 :
0241 321 : TC_GROUP GDV,1,TS1
0268 322 :
0268 323 : NEXT_TEST_CASE SFGDV10
```



```
0268 324 :  
0268 325 :++  
0268 326 :*****  
0268 327 :*  
0268 328 :* TEST CASE NAME: SFGDV10  
0268 329 :*  
0268 330 :* SYSTEM SERVICE: GETDEV  
0268 331 :*  
0268 332 :* ARGUMENT UNDER TEST: DEVNAM_GDV10  
0268 333 :*  
0268 334 :* INPUT CONDITIONS:  
0268 335 :* INVALID CHARACTERS IN DEVICE NAME  
0268 336 :*  
0268 337 :* EXPECTED RESULTS:  
0268 338 :* 1) SYSTEM STATUS CODE: IVDEVNAM  
0268 339 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
0268 340 :*  
0268 341 :*****  
0268 342 :--  
0268 343 :  
0268 344 :  
0268 345 : NEXT_TEST_CASE SFGDV11
```

```

0274 346 :
0274 347 :++
0274 348 :*****
0274 349 :*
0274 350 :* TEST CASE NAME: SFGDV11
0274 351 :*
0274 352 :* SYSTEM SERVICE: GETDEV
0274 353 :*
0274 354 :* ARGUMENT UNDER TEST: DEVNAM_GDV11
0274 355 :*
0274 356 :* INPUT CONDITIONS:
0274 357 :* ZERO LENGTH DEVICE NAME
0274 358 :*
0274 359 :* EXPECTED RESULTS:
0274 360 :* 1) SYSTEM STATUS CODE: IVLOGNAM
0274 361 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
0274 362 :*
0274 363 :*****
0274 364 :--
0274 365 :
0274 366 :
0274 367 :

```

NEXT_TEST_CASE SFGDV12


```
0280 368 :
0280 369 :++
0280 370 :*****
0280 371 :*
0280 372 :* TEST CASE NAME: SFGDV12
0280 373 :*
0280 374 :* SYSTEM SERVICE: GETDEV
0280 375 :*
0280 376 :* ARGUMENT UNDER TEST: DEVNAM_GDV12
0280 377 :*
0280 378 :* INPUT CONDITIONS:
0280 379 :* DEVICE NAME IS 64 CHARACTERS LONG.
0280 380 :*
0280 381 :* EXPECTED RESULTS:
0280 382 :* 1) SYSTEM STATUS CODE: IVLOGNAM
0280 383 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
0280 384 :*
0280 385 :*****
0280 386 :--
0280 387 :
0280 388 :
0280 389 : NEXT_TEST_CASE SFGDV13
```

```

028C 390 :
028C 391 :++
028C 392 :*****
028C 393 :*
028C 394 :* TEST CASE NAME: SFGDV13
028C 395 :*
028C 396 :* SYSTEM SERVICE: GETDEV
028C 397 :*
028C 398 :* ARGUMENT UNDER TEST: DEVNAM_GDV13
028C 399 :*
028C 400 :* INPUT CONDITIONS:
028C 401 :* VALID, NON-EXISTENT DEVICE
028C 402 :*
028C 403 :* EXPECTED RESULTS:
028C 404 :* 1) SYSTEM STATUS CODE: NOSUCHDEV
028C 405 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
028C 406 :*
028C 407 :*****
028C 408 :--
028C 409 :
028C 410 :
028C 411 : NEXT_TEST_CASE SFGDV14

```



```

0298 412 :
0298 413 :++
0298 414 :*****
0298 415 :*
0298 416 :* TEST CASE NAME: SFGDV14
0298 417 :*
0298 418 :* SYSTEM SERVICE: GETDEV
0298 419 :*
0298 420 :* ARGUMENT UNDER TEST: DEVNAM_GDV14
0298 421 :*
0298 422 :* INPUT CONDITIONS:
0298 423 :* DEVICE NAME IN NON-ACCESSIBLE PSECT.
0298 424 :*
0298 425 :* EXPECTED RESULTS:
0298 426 :* 1) SYSTEM STATUS CODE: ACCVIO
0298 427 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
0298 428 :*
0298 429 :*****
0298 430 :--
0298 431 :
0298 432 :
0298 433 : NEXT_TEST_CASE SFGDV20

```

```

02A4 434 :
02A4 435 :++
02A4 436 :*****
02A4 437 :*
02A4 438 :* TEST CASE NAME:          SFGDV20
02A4 439 :*
02A4 440 :* SYSTEM SERVICE:          GETDEV
02A4 441 :*
02A4 442 :* ARGUMENT UNDER TEST:     PRILEN_GDV20
02A4 443 :*
02A4 444 :* INPUT CONDITIONS:
02A4 445 :*   PRIMARY CHARACTERISTICS LENGTH FIELD IN
02A4 446 :*   READ-ONLY PSECT.
02A4 447 :*
02A4 448 :* EXPECTED RESULTS:
02A4 449 :*   1) SYSTEM STATUS CODE: ACCVIO
02A4 450 :*   2) REGISTERS R2 THROUGH FP UNCHANGED
02A4 451 :*
02A4 452 :*****
02A4 453 :--
02A4 454 :
02A4 455 :
02A4 456 :      NEXT_TEST_CASE  SFGDV30

```



```

02B0 457 :
02B0 458 :++
02B0 459 :*****
02B0 460 :*
02B0 461 :* TEST CASE NAME: SFGDV30
02B0 462 :*
02B0 463 :* SYSTEM SERVICE: GETDEV
02B0 464 :*
02B0 465 :* ARGUMENT UNDER TEST: PRIBUF_GDV30
02B0 466 :*
02B0 467 :* INPUT CONDITIONS:
02B0 468 :* PRIMARY CHARACTERISTICS BUFFER (LENGTH 1) IS
02B0 469 :* TOO SHORT FOR INCOMING DATA.
02B0 470 :*
02B0 471 :* EXPECTED RESULTS:
02B0 472 :* 1) SYSTEM STATUS CODE: BUFFEROVF
02B0 473 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
02B0 474 :*
02B0 475 :*****
02B0 476 :--
02B0 477 :
02B0 478 :
02B0 479 : NEXT_TEST_CASE SFGDV31

```

```

02BC 480 :
02BC 481 :++
02BC 482 :*****
02BC 483 :*
02BC 484 :* TEST CASE NAME: SFGDV31
02BC 485 :*
02BC 486 :* SYSTEM SERVICE: GETDEV
02BC 487 :*
02BC 488 :* ARGUMENT UNDER TEST: PRIBUF_GDV31
02BC 489 :*
02BC 490 :* INPUT CONDITIONS:
02BC 491 :* PRIMARY CHARACTERISTICS BUFFER IN READ-ONLY PSECT.
02BC 492 :*
02BC 493 :* EXPECTED RESULTS:
02BC 494 :* 1) SYSTEM STATUS CODE: ACCVIO
02BC 495 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
02BC 496 :*
02BC 497 :*****
02BC 498 :--
02BC 499 :
02BC 500 :
02BC 501 : NEXT_TEST_CASE SFGDV40

```



```

02C8 502 :
02C8 503 :++
02C8 504 :*****
02C8 505 :*
02C8 506 :* TEST CASE NAME: SFGDV40
02C8 507 :*
02C8 508 :* SYSTEM SERVICE: GETDEV
02C8 509 :*
02C8 510 :* ARGUMENT UNDER TEST: SECLN_GDV40
02C8 511 :*
02C8 512 :* INPUT CONDITIONS:
02C8 513 :* SECONDARY CHARACTERISTICS LENGTH FIELD IN
02C8 514 :* READ-ONLY PSECT.
02C8 515 :*
02C8 516 :* EXPECTED RESULTS:
02C8 517 :* 1) SYSTEM STATUS CODE: ACCVIO
02C8 518 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
02C8 519 :*
02C8 520 :*****
02C8 521 :--
02C8 522 :
02C8 523 :
02C8 524 : NEXT_TEST_CASE SFGDV50

```

```

02D4 525 :
02D4 526 :++
02D4 527 :*****
02D4 528 :*
02D4 529 :* TEST CASE NAME: SFGDV50
02D4 530 :*
02D4 531 :* SYSTEM SERVICE: GETDEV
02D4 532 :*
02D4 533 :* ARGUMENT UNDER TEST: SECBUF_GDV50
02D4 534 :*
02D4 535 :* INPUT CONDITIONS:
02D4 536 :* SECONDARY CHARACTERISTICS BUFFER (LENGTH 0) IS
02D4 537 :* TOO SHORT FOR INCOMING DATA.
02D4 538 :*
02D4 539 :* EXPECTED RESULTS:
02D4 540 :* 1) SYSTEM STATUS CODE: BUFFEROVF
02D4 541 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
02D4 542 :*
02D4 543 :*****
02D4 544 :--
02D4 545 :
02D4 546 :
02D4 547 : NEXT_TEST_CASE SFGDV51

```



```

02E0 548 :
02E0 549 :++
02E0 550 :*****
02E0 551 :*
02E0 552 :* TEST CASE NAME: SFGDV51
02E0 553 :*
02E0 554 :* SYSTEM SERVICE: GETDEV
02E0 555 :*
02E0 556 :* ARGUMENT UNDER TEST: SECBUF_GDV51
02E0 557 :*
02E0 558 :* INPUT CONDITIONS:
02E0 559 :* SECONDARY CHARACTERISTICS BUFFER IN READ-ONLY PSECT.
02E0 560 :*
02E0 561 :* EXPECTED RESULTS:
02E0 562 :* 1) SYSTEM STATUS CODE: ACCVIO
02E0 563 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
02E0 564 :*
02E0 565 :*****
02E0 566 :--
02E0 567 :
02E0 568 :
02E0 569 : TCEND

```

SATSSF09
V04-000

- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:38:08 VAX/VMS Macro V04-00 Page 19
5-SEP-1984 04:28:29 [UETPSY.SRC]SATSSF09.MAR;1 (1)

02E1	570	:		
02E1	571	:	TC_GROUP	GCH,1,TS2
0308	572	:		
0308	573	:	NEXT_TEST_CASE	SFGCH10


```

0308 574 :
0308 575 :++
0308 576 :*****
0308 577 :*
0308 578 :* TEST CASE NAME: SFGCH10
0308 579 :*
0308 580 :* SYSTEM SERVICE: GETCHN
0308 581 :*
0308 582 :* ARGUMENT UNDER TEST: CHAN_GCH10
0308 583 :*
0308 584 :* INPUT CONDITIONS:
0308 585 :* INVALID CHANNEL NUMBER (ZERO)
0308 586 :*
0308 587 :* EXPECTED RESULTS:
0308 588 :* 1) SYSTEM STATUS CODE: IVCHAN
0308 589 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
0308 590 :*
0308 591 :*****
0308 592 :--
0308 593 :
0308 594 : $ASSIGN_S DEVNAM=MY_DISK, - ; GET A VALID CHANNEL NUMBER ...
0308 595 : CHAN=CHAN_GCH ; ... FOR ALL TEST CASES
031D 596 :
031D 597 : NEXT_TEST_CASE SFGCH11

```

```
0329 598 :  
0329 599 :++  
0329 600 :*****  
0329 601 :*  
0329 602 :* TEST CASE NAME: SFGCH11  
0329 603 :*  
0329 604 :* SYSTEM SERVICE: GETCHN  
0329 605 :*  
0329 606 :* ARGUMENT UNDER TEST: CHAN_GCH11  
0329 607 :*  
0329 608 :* INPUT CONDITIONS:  
0329 609 :* INVALID CHANNEL NUMBER (1 BILLION)  
0329 610 :*  
0329 611 :* EXPECTED RESULTS:  
0329 612 :* 1) SYSTEM STATUS CODE: IVCHAN  
0329 613 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
0329 614 :*  
0329 615 :*****  
0329 616 :--  
0329 617 :  
0329 618 :  
0329 619 : NEXT_TEST_CASE SFGCH12
```



```
0335 620 :  
0335 621 :++  
0335 622 :*****  
0335 623 :*  
0335 624 :* TEST CASE NAME: SFGCH12  
0335 625 :*  
0335 626 :* SYSTEM SERVICE: GETCHN  
0335 627 :*  
0335 628 :* ARGUMENT UNDER TEST: CHAN_GCH12  
0335 629 :*  
0335 630 :* INPUT CONDITIONS:  
0335 631 :* GET CHARACTERISTICS FOR CHANNEL ASSIGNED IN EXEC MODE.  
0335 632 :*  
0335 633 :* EXPECTED RESULTS:  
0335 634 :* 1) SYSTEM STATUS CODE: NOPRIV  
0335 635 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
0335 636 :*  
0335 637 :*****  
0335 638 :--  
0335 639 :  
0335 640 : MODE TO,10$,EXEC,NOREGS : TO EXEC MODE FOR $ASSIGN  
0352 641 : $ASSIGN_S DEVNAM=MY_DISK, - : ASSIGN A CHANNEL IN EXEC MODE  
0352 642 : CHAN=CHAN_GCH12 :  
0367 643 : MODE FROM,10$ : BACK TO USER MODE  
0368 644 :  
0368 645 : NEXT_TEST_CASE SFGCH20
```

```
0374 646 :  
0374 647 :++  
0374 648 :*****  
0374 649 :*  
0374 650 :* TEST CASE NAME: SFGCH20  
0374 651 :*  
0374 652 :* SYSTEM SERVICE: GETCHN  
0374 653 :*  
0374 654 :* ARGUMENT UNDER TEST: PRILEN_GCH20  
0374 655 :*  
0374 656 :* INPUT CONDITIONS:  
0374 657 :* PRIMARY CHARACTERISTICS LENGTH FIELD IN  
0374 658 :* READ-ONLY PSECT.  
0374 659 :*  
0374 660 :* EXPECTED RESULTS:  
0374 661 :* 1) SYSTEM STATUS CODE: ACCVIO
```



```

0374 663 : *      2) REGISTERS R2 THROUGH FP UNCHANGED
0374 664 : *
0374 665 : *****
0374 666 : --
0374 667 :
0374 668      MODE      TO,20$,EXEC,NOREGS      ; TO EXEC MODE FOR $DASSGN
0391 669      $DASSGN_S CHAN=CHAN_GCH12      ; DE-ASSIGN CHANNEL ASSIGNED IN SFGCH12
039F 670      MODE      FROM,20$              ; BACK TO USER MODE
03A0 671 :
03A0 672      NEXT_TEST_CASE SFGCH30

```

```

03AC 673 :
03AC 674 :++
03AC 675 :*****
03AC 676 :*
03AC 677 :* TEST CASE NAME: SFGCH30
03AC 678 :*
03AC 679 :* SYSTEM SERVICE: GETCHN
03AC 680 :*
03AC 681 :* ARGUMENT UNDER TEST: PRIBUF_GCH30
03AC 682 :*
03AC 683 :* INPUT CONDITIONS:
03AC 684 :* PRIMARY CHARACTERISTICS BUFFER (LENGTH 1) IS
03AC 685 :* TOO SHORT FOR INCOMING DATA.
03AC 686 :*
03AC 687 :* EXPECTED RESULTS:
03AC 688 :* 1) SYSTEM STATUS CODE: BUFFEROVF
03AC 689 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
03AC 690 :*
03AC 691 :*****
03AC 692 :--
03AC 693 :
03AC 694 :
03AC 695 : NEXT_TEST_CASE SFGCH31

```



```

0388 696 :
0388 697 :++
0388 698 :*****
0388 699 :*
0388 700 :* TEST CASE NAME: SFGCH31
0388 701 :*
0388 702 :* SYSTEM SERVICE: GETCHN
0388 703 :*
0388 704 :* ARGUMENT UNDER TEST: PRIBUF_GCH31
0388 705 :*
0388 706 :* INPUT CONDITIONS:
0388 707 :* PRIMARY CHARACTERISTICS BUFFER IN READ-ONLY PSECT.
0388 708 :*
0388 709 :* EXPECTED RESULTS:
0388 710 :* 1) SYSTEM STATUS CODE: ACCVIO
0388 711 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
0388 712 :*
0388 713 :*****
0388 714 :--
0388 715 :
0388 716 :
0388 717 : NEXT_TEST_CASE SFGCH40

```

```

03C4 718 :
03C4 719 :++
03C4 720 :*****
03C4 721 :*
03C4 722 :* TEST CASE NAME: SFGCH40
03C4 723 :*
03C4 724 :* SYSTEM SERVICE: GETCHN
03C4 725 :*
03C4 726 :* ARGUMENT UNDER TEST: SECLN_GCH40
03C4 727 :*
03C4 728 :* INPUT CONDITIONS:
03C4 729 :* SECONDARY CHARACTERISTICS LENGTH FIELD IN
03C4 730 :* READ-ONLY PSECT.
03C4 731 :*
03C4 732 :* EXPECTED RESULTS:
03C4 733 :* 1) SYSTEM STATUS CODE: ACCVIO
03C4 734 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
03C4 735 :*
03C4 736 :*****
03C4 737 :--
03C4 738 :
03C4 739 :
03C4 740 : NEXT_TEST_CASE SFGCH50

```



```

03D0 741 :
03D0 742 :++
03D0 743 :*****
03D0 744 :*
03D0 745 :* TEST CASE NAME: SFGCH50
03D0 746 :*
03D0 747 :* SYSTEM SERVICE: GETCHN
03D0 748 :*
03D0 749 :* ARGUMENT UNDER TEST: SECBUF_GCH50
03D0 750 :*
03D0 751 :* INPUT CONDITIONS:
03D0 752 :* SECONDARY CHARACTERISTICS BUFFER (LENGTH 0) IS
03D0 753 :* TOO SHORT FOR INCOMING DATA.
03D0 754 :*
03D0 755 :* EXPECTED RESULTS:
03D0 756 :* 1) SYSTEM STATUS CODE: BUFFEROVF
03D0 757 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
03D0 758 :*
03D0 759 :*****
03D0 760 :--
03D0 761 :
03D0 762 :
03D0 763 : NEXT_TEST_CASE SFGCH51

```

```

03DC 764 :
03DC 765 :++
03DC 766 :*****
03DC 767 :*
03DC 768 :* TEST CASE NAME: SFGCH51
03DC 769 :*
03DC 770 :* SYSTEM SERVICE: GETCHN
03DC 771 :*
03DC 772 :* ARGUMENT UNDER TEST: SECBUF_GCH51
03DC 773 :*
03DC 774 :* INPUT CONDITIONS:
03DC 775 :* SECONDARY CHARACTERISTICS BUFFER IN READ-ONLY PSECT.
03DC 776 :*
03DC 777 :* EXPECTED RESULTS:
03DC 778 :* 1) SYSTEM STATUS CODE: ACCVIO
03DC 779 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
03DC 780 :*
03DC 781 :*****
03DC 782 :--
03DC 783 :
03DC 784 :
03DC 785 : TCEND

```


SATSSF09
V04-000

- SATS SYSTEM SERVICE TESTS (FAILING ^{K 7} S. 16-SEP-1984 00:38:08 VAX/VMS Macro V04-00 Page 30
5-SEP-1984 04:28:29 [UETPSY.SRC]SATSSF09.MAR;1 (2)

03DD	786 ;		
03DD	787 ;	TC_GROUP	ASN,1,TS3
0404	788 ;		
0404	789 ;	NEXT_TEST_CASE	SFASN10

```

0404 790 :
0404 791 :++
0404 792 :*****
0404 793 :*
0404 794 :* TEST CASE NAME: SFASN10
0404 795 :*
0404 796 :* SYSTEM SERVICE: ASSIGN
0404 797 :*
0404 798 :* ARGUMENT UNDER TEST: DEVNAM_ASN10
0404 799 :*
0404 800 :* INPUT CONDITIONS:
0404 801 :* ZERO LENGTH DEVICE NAME
0404 802 :*
0404 803 :* EXPECTED RESULTS:
0404 804 :* 1) SYSTEM STATUS CODE: IVLOGNAM
0404 805 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
0404 806 :*
0404 807 :*****
0404 808 :--
0404 809 :
0404 810 :
0404 811 : NEXT_TEST_CASE SFASN11

```



```

0410 812 :
0410 813 :++
0410 814 :*****
0410 815 :*
0410 816 :* TEST CASE NAME: SFASN11
0410 817 :*
0410 818 :* SYSTEM SERVICE: ASSIGN
0410 819 :*
0410 820 :* ARGUMENT UNDER TEST: DEVNAM_ASN11
0410 821 :*
0410 822 :* INPUT CONDITIONS:
0410 823 :* VALID, NON-EXISTENT DEVICE
0410 824 :*
0410 825 :* EXPECTED RESULTS:
0410 826 :* 1) SYSTEM STATUS CODE: NOSUCHDEV
0410 827 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
0410 828 :*
0410 829 :*****
0410 830 :--
0410 831 :
0410 832 :
0410 833 : NEXT_TEST_CASE SFASN12

```

```

041C 834 :
041C 835 :++
041C 836 :*****
041C 837 :*
041C 838 :* TEST CASE NAME: SFASN12
041C 839 :*
041C 840 :* SYSTEM SERVICE: ASSIGN
041C 841 :*
041C 842 :* ARGUMENT UNDER TEST: DEVNAM_ASN12
041C 843 :*
041C 844 :* INPUT CONDITIONS:
041C 845 :* DEVICE NAME IN NON-ACCESSIBLE PSECT.
041C 846 :*
041C 847 :* EXPECTED RESULTS:
041C 848 :* 1) SYSTEM STATUS CODE: ACCVIO
041C 849 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
041C 850 :*
041C 851 :*****
041C 852 :--
041C 853 :
041C 854 :
041C 855 : NEXT_TEST_CASE SFASN20

```



```
0428 856 :  
0428 857 :++  
0428 858 :*****  
0428 859 :*  
0428 860 :* TEST CASE NAME: SFASN20  
0428 861 :*  
0428 862 :* SYSTEM SERVICE: ASSIGN  
0428 863 :*  
0428 864 :* ARGUMENT UNDER TEST: CHAN_ASN20  
0428 865 :*  
0428 866 :* INPUT CONDITIONS:  
0428 867 :* CHANNEL BUFFER IN READ-ONLY PSECT.  
0428 868 :*  
0428 869 :* EXPECTED RESULTS:  
0428 870 :* 1) SYSTEM STATUS CODE: ACCVIO  
0428 871 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
0428 872 :*  
0428 873 :*****  
0428 874 :--  
0428 875 :  
0428 876 :  
0428 877 : NEXT_TEST_CASE SFASN40
```

```
0434 878 :  
0434 879 :++  
0434 880 :*****  
0434 881 :*  
0434 882 :* TEST CASE NAME: SFASN40  
0434 883 :*  
0434 884 :* SYSTEM SERVICE: ASSIGN  
0434 885 :*  
0434 886 :* ARGUMENT UNDER TEST: MBXNAM_ASN40  
0434 887 :*  
0434 888 :* INPUT CONDITIONS:  
0434 889 :* MAILBOX NAME IS LENGTH 64  
0434 890 :*  
0434 891 :* EXPECTED RESULTS:  
0434 892 :* 1) SYSTEM STATUS CODE: IVLOGNAM  
0434 893 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
0434 894 :*  
0434 895 :*****  
0434 896 :--  
0434 897 :  
0434 898 :  
0434 899 : NEXT_TEST_CASE SFASN41
```



```

0440 900 :
0440 901 :++
0440 902 :*****
0440 903 :*
0440 904 :* TEST CASE NAME: SFASN41
0440 905 :*
0440 906 :* SYSTEM SERVICE: ASSIGN
0440 907 :*
0440 908 :* ARGUMENT UNDER TEST: MBXNAM_ASN41
0440 909 :*
0440 910 :* INPUT CONDITIONS:
0440 911 :* INVALID CHARACTERS IN MAILBOX NAME
0440 912 :*
0440 913 :* EXPECTED RESULTS:
0440 914 :* 1) SYSTEM STATUS CODE: IVDEVNAM
0440 915 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
0440 916 :*
0440 917 :*****
0440 918 :--
0440 919 :
0440 920 :
0440 921 : NEXT_TEST_CASE SFASN42

```

```

044C 922 :
044C 923 :++
044C 924 :*****
044C 925 :*
044C 926 :* TEST CASE NAME: SFASN42
044C 927 :*
044C 928 :* SYSTEM SERVICE: ASSIGN
044C 929 :*
044C 930 :* ARGUMENT UNDER TEST: MBXNAM_ASN42
044C 931 :*
044C 932 :* INPUT CONDITIONS:
044C 933 :* MAILBOX SPECIFIED IS ACTUALLY A DISK.
044C 934 :*
044C 935 :* EXPECTED RESULTS:
044C 936 :* 1) SYSTEM STATUS CODE: DEVNOTMBX
044C 937 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
044C 938 :*
044C 939 :*****
044C 940 :--
044C 941 :
044C 942 :
044C 943 : NEXT_TEST_CASE SFASN43

```



```
0458 944 :
0458 945 :++
0458 946 :*****
0458 947 :*
0458 948 :* TEST CASE NAME: SFASN43
0458 949 :*
0458 950 :* SYSTEM SERVICE: ASSIGN
0458 951 :*
0458 952 :* ARGUMENT UNDER TEST: MBXNAM_ASN43
0458 953 :*
0458 954 :* INPUT CONDITIONS:
0458 955 :* MAILBOX NAME IN NON-ACCESSIBLE PSECT.
0458 956 :*
0458 957 :* EXPECTED RESULTS:
0458 958 :* 1) SYSTEM STATUS CODE: ACCVIO
0458 959 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
0458 960 :*
0458 961 :*****
0458 962 :--
0458 963 :
0458 964 :
0458 965 : TCEND
```

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V04-000

- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:38:08 VAX/VMS Macro V04-00 Page 39
5-SEP-1984 04:28:29 [UETPSY.SRC]SATSSF09.MAR;1 (2)

0459	966	:		
0459	967	:	TC_GROUP	DAS,1,TS4
0480	968	:		
0480	969	:	NEXT_TEST_CASE	SFDAS10

SA
VO


```

0480 970 :
0480 971 :++
0480 972 :*****
0480 973 :*
0480 974 :* TEST CASE NAME: SFDAS10
0480 975 :*
0480 976 :* SYSTEM SERVICE: DASSGN
0480 977 :*
0480 978 :* ARGUMENT UNDER TEST: CHAN_DAS10
0480 979 :*
0480 980 :* INPUT CONDITIONS:
0480 981 :* DE-ASSIGN CHANNEL ASSIGNED BY EXEC MODE.
0480 982 :*
0480 983 :* EXPECTED RESULTS:
0480 984 :* 1) SYSTEM STATUS CODE: NOPRIV
0480 985 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
0480 986 :*
0480 987 :*****
0480 988 :--
0480 989 :
0480 990 : MODE TO,10$,EXEC,NOREGS ; GET EXEC MODE FOR $ASSIGN
049D 991 : $ASSIGN_S DEVNAM=MY_DISK, - ; ASSIGN A CHANNEL IN EXEC MODE
049D 992 : CHAN=CHAN_DAS10
04B2 993 : MODE FROM,10$ ; BACK TO USER MODE
04B3 994 :
04B3 995 : NEXT_TEST_CASE SFDAS11

```

```

04BF 996 :
04BF 997 :++
04BF 998 :*****
04BF 999 :*
04BF 1000 :* TEST CASE NAME: SFDAS11
04BF 1001 :*
04BF 1002 :* SYSTEM SERVICE: DASSGN
04BF 1003 :*
04BF 1004 :* ARGUMENT UNDER TEST: CHAN_DAS11
04BF 1005 :*
04BF 1006 :* INPUT CONDITIONS:
04BF 1007 :* INVALID CHANNEL NUMBER (ZERO)
04BF 1008 :*
04BF 1009 :* EXPECTED RESULTS:
04BF 1010 :* 1) SYSTEM STATUS CODE: IVCHAN
04BF 1011 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
04BF 1012 :*
04BF 1013 :*****
04BF 1014 :--
04BF 1015 :
04BF 1016 :MODE TO,20$,EXEC,NOREGS ; EXEC MODE FOR $DASSGN
04DC 1017 :$DASSGN_S CHAN=CHAN_DAS10 ; DE-ASSIGN CHANNEL ASSIGNED IN SFDAS10
04EA 1018 :MODE FROM,20$ ; BACK TO USER MODE
04EB 1019 :
04EB 1020 :NEXT_TEST_CASE SFDAS12

```



```

04F7 1021 :
04F7 1022 :++
04F7 1023 :*****
04F7 1024 :*
04F7 1025 :* TEST CASE NAME: SFDAS12
04F7 1026 :*
04F7 1027 :* SYSTEM SERVICE: DASSGN
04F7 1028 :*
04F7 1029 :* ARGUMENT UNDER TEST: CHAN_DAS12
04F7 1030 :*
04F7 1031 :* INPUT CONDITIONS:
04F7 1032 :* INVALID CHANNEL NUMBER (1 BILLION)
04F7 1033 :*
04F7 1034 :* EXPECTED RESULTS:
04F7 1035 :* 1) SYSTEM STATUS CODE: IVCHAN
04F7 1036 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
04F7 1037 :*
04F7 1038 :*****
04F7 1039 :--
04F7 1040 :
04F7 1041 :
04F7 1042 : TCEND

```

SATSSF09
V04-000

- SATS SYSTEM SERVICE TESTS (FAILING S. ^{K 8} 16-SEP-1984 00:38:08 VAX/VMS Macro V04-00 Page 43
5-SEP-1984 04:28:29 [UETPSY.SRC]SATSSF09.MAR;1 (2)

04F8	1043	:		
04F8	1044	:	TC_GROUP	DMX,1,TS5
051F	1045	:		
051F	1046	:	NEXT_TEST_CASE	SFDMX10


```

051F 1047 :
051F 1048 :++
051F 1049 :*****
051F 1050 :*
051F 1051 :* TEST CASE NAME: SFDMX10
051F 1052 :*
051F 1053 :* SYSTEM SERVICE: DELMBX
051F 1054 :*
051F 1055 :* ARGUMENT UNDER TEST: CHAN_DMX10
051F 1056 :*
051F 1057 :* INPUT CONDITIONS:
051F 1058 :* DELETE A MAILBOX CREATED BY EXEC MODE.
051F 1059 :*
051F 1060 :* EXPECTED RESULTS:
051F 1061 :* 1) SYSTEM STATUS CODE: NOPRIV
051F 1062 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
051F 1063 :*
051F 1064 :*****
051F 1065 :--
051F 1066 :
051F 1067 : MODE TO,10$,EXEC,NOREGS ; GET EXEC MODE FOR $CREMBX
053C 1068 : $CREMBX,S PRMFLG=#1,- ; CREATE A PERM MBOX AT EXEC MODE
053C 1069 : CHAN=CHAN_DMX10
0551 1070 : MODE FROM,10$ ; BACK TO USER MODE
0552 1071 :
0552 1072 : NEXT_TEST_CASE SFDMX11

```

```

055E 1073 :
055E 1074 :++
055E 1075 :*****
055E 1076 :*
055E 1077 :* TEST CASE NAME: SFDMX11
055E 1078 :*
055E 1079 :* SYSTEM SERVICE: DELMBX
055E 1080 :*
055E 1081 :* ARGUMENT UNDER TEST: CHAN_DMX11
055E 1082 :*
055E 1083 :* INPUT CONDITIONS:
055E 1084 :* DELETE A PERMANENT MAILBOX WITHOUT THE PRMMBX PRIVILEGE.
055E 1085 :*
055E 1086 :* EXPECTED RESULTS:
055E 1087 :* 1) SYSTEM STATUS CODE: NOPRIV
055E 1088 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
055E 1089 :*
055E 1090 :*****
055E 1091 :--
055E 1092 :
055E 1093 :
057B 1094 :MODE TO,20$,EXEC,NOREGS ; EXEC MODE FOR $DELMBX
0589 1095 :$DELMBX,S CHAN=CHAN_DM10 ; MARK FOR DELETION MBOX ACQUIRED IN SFDMX10
0597 1096 :$DASSGN,S CHAN=CHAN_DM10 ; ... AND GET IT DELETED
0598 1097 :MODE FROM,20$ ; BACK TO USER MODE
0598 1098 :$CREMBX,S PRMFLG=#1, - ; CREATE A USER MODE MAILBOX
05AD 1099 :CHAN=CHAN_DM11
05CD 1100 :PRIV REM,PRMMBX ; REMOVE PRMMBX PRIVILEGE
05CD 1101 :NEXT_TEST_CASE SFDMX12

```



```

05D9 1102 :
05D9 1103 :++
05D9 1104 :*****
05D9 1105 :*
05D9 1106 :* TEST CASE NAME: SFDMX12
05D9 1107 :*
05D9 1108 :* SYSTEM SERVICE: DELMBX
05D9 1109 :*
05D9 1110 :* ARGUMENT UNDER TEST: CHAN_DM12
05D9 1111 :*
05D9 1112 :* INPUT CONDITIONS:
05D9 1113 :* INVALID CHANNEL NUMBER (ZERO).
05D9 1114 :*
05D9 1115 :* EXPECTED RESULTS:
05D9 1116 :* 1) SYSTEM STATUS CODE: IVCHAN
05D9 1117 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
05D9 1118 :*
05D9 1119 :*****
05D9 1120 :--
05D9 1121 :
05D9 1122 : PRIV ADD,PRMMBX ; GET BACK PRIVILEGE REMOVED BY SFDMX11
05F9 1123 : $DELMBX,S CHAN=CHAN_DM11 ; MARK FOR DELETION MBOX ACQUIRED IN SFDMX11
0607 1124 :
0607 1125 : NEXT_TEST_CASE SFDMX13

```

```
0613 1126 :  
0613 1127 :++  
0613 1128 :*****  
0613 1129 :*  
0613 1130 :* TEST CASE NAME: SFDMX13  
0613 1131 :*  
0613 1132 :* SYSTEM SERVICE: DELMBX  
0613 1133 :*  
0613 1134 :* ARGUMENT UNDER TEST: CHAN_DMX13  
0613 1135 :*  
0613 1136 :* INPUT CONDITIONS:  
0613 1137 :* INVALID CHANNEL NUMBER (1 BILLION).  
0613 1138 :*  
0613 1139 :* EXPECTED RESULTS:  
0613 1140 :* 1) SYSTEM STATUS CODE: IVCHAN  
0613 1141 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
0613 1142 :*  
0613 1143 :*****  
0613 1144 :--  
0613 1145 :  
0613 1146 :  
0613 1147 : NEXT_TEST_CASE SFDMX14
```



```

061F 1148 :
061F 1149 :++
061F 1150 :*****
061F 1151 :*
061F 1152 :* TEST CASE NAME: SFDMX14
061F 1153 :*
061F 1154 :* SYSTEM SERVICE: DELMBX
061F 1155 :*
061F 1156 :* ARGUMENT UNDER TEST: CHAN_DMX14
061F 1157 :*
061F 1158 :* INPUT CONDITIONS:
061F 1159 :* ISSUE $DELMBX FOR A DEVICE WHICH IS NOT A MAILBOX.
061F 1160 :*
061F 1161 :* EXPECTED RESULTS:
061F 1162 :* 1) SYSTEM STATUS CODE: DEVNOTMBX
061F 1163 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
061F 1164 :*
061F 1165 :*****
061F 1166 :--
061F 1167 :
061F 1168 : $ASSIGN_S DEVNAM=MY_DISK, CHAN=CHAN_DMX14
0634 1169 : ; ASSIGN A DEVICE WHICH IS NOT A MAILBOX
0634 1170 :
0634 1171 : TCEND

```

```
0635 1172 TS1:
0635 1173 TESTSERV      GETDEV,ERR,SATS,
0635 1174
0635 1175      <1,DEVNAM_GDV,
0635 1176          DEVNAM_GDV10,IVDEVNAM, - ; SFGDV10
0635 1177          DEVNAM_GDV11,IVLOGNAM, - ; SFGDV11
0635 1178          DEVNAM_GDV12,IVLOGNAM, - ; SFGDV12
0635 1179          DEVNAM_GDV13,NOSUCHDEV, - ; SFGDV13
0635 1180          DEVNAM_GDV14,ACCVIO, - ; SFGDV14
0635 1181          >,
0635 1182
0635 1183      <1,PRILEN_GDV,
0635 1184          PRILEN_GDV20,ACCVIO, - ; SFGDV20
0635 1185          >,
0635 1186
0635 1187      <1,PRIBUF_GDV,
0635 1188          PRIBUF_GDV30,BUFFEROVF, - ; SFGDV30
0635 1189          PRIBUF_GDV31,ACCVIO, - ; SFGDV31
0635 1190          >,
0635 1191
0635 1192      <1,SECLEN_GDV,
0635 1193          SECLEN_GDV40,ACCVIO, - ; SFGDV40
0635 1194          >,
0635 1195
0635 1196      <1,SECBUF_GDV,
0635 1197          SECBUF_GDV50,BUFFEROVF, - ; SFGDV50
0635 1198          SECBUF_GDV51,ACCVIO, - ; SFGDV51
0635 1199          >,
0635 1200
098D 1201 TS_CLEANUP      ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```



```
09AD 1202 TS2:
09AD 1203 TESTSERV GETCHN,ERR,SATS, -
09AD 1204
09AD 1205 <1,CHAN_GCH, -
09AD 1206 CHAN_GCH10,IVCHAN, - ; SFGCH10
09AD 1207 CHAN_GCH11,IVCHAN, - ; SFGCH11
09AD 1208 CHAN_GCH12,NOPRIV, - ; SFGCH12
09AD 1209 >, -
09AD 1210
09AD 1211 <1,PRILEN_GCH, -
09AD 1212 PRILEN_GCH20,ACCVIO, - ; SFGCH20
09AD 1213 >, -
09AD 1214
09AD 1215 <1,PRIBUF_GCH, -
09AD 1216 PRIBUF_GCH30,BUFFEROVF, - ; SFGCH30
09AD 1217 PRIBUF_GCH31,ACCVIO, - ; SFGCH31
09AD 1218 >, -
09AD 1219
09AD 1220 <1,SECLLEN_GCH, -
09AD 1221 SECLLEN_GCH40,ACCVIO, - ; SFGCH40
09AD 1222 >, -
09AD 1223
09AD 1224 <1,SECBUF_GCH, -
09AD 1225 SECBUF_GCH50,BUFFEROVF, - ; SFGCH50
09AD 1226 SECBUF_GCH51,ACCVIO, - ; SFGCH51
09AD 1227 >, -
09AD 1228
0CFA 1229 TS_CLEANUP ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

```
OD1A 1230 TS3:
OD1A 1231 TESTSERV ASSIGN,ERR,SATS, -
OD1A 1232 <1,DEVNAM_ASN, -
OD1A 1233 DEVNAM_ASN10,IVLOGNAM, - ; SFASN10
OD1A 1234 DEVNAM_ASN11,NOSUCHDEV, - ; SFASN11
OD1A 1235 DEVNAM_ASN12,ACCVIO, - ; SFASN12
OD1A 1236 >, -
OD1A 1237 <1,CHAN_ASN, -
OD1A 1238 CHAN_ASN20,ACCVIO, - ; SFASN20
OD1A 1239 >, -
OD1A 1240 <1,ACMODE_ASN, -
OD1A 1241 >, -
OD1A 1242 <1,MBXNAM_ASN, -
OD1A 1243 MBXNAM_ASN40,IVLOGNAM, - ; SFASN40
OD1A 1244 MBXNAM_ASN41,IVDEVNAM, - ; SFASN41
OD1A 1245 MBXNAM_ASN42,DEVNOTMBX, - ; SFASN42
OD1A 1246 MBXNAM_ASN43,ACCVIO, - ; SFASN43
OD1A 1247 >, -
OD1A 1248
OD1A 1249
OD1A 1250
OD1A 1251
OD1A 1252 TS_CLEANUP ; CLEAN UP & RETURN TO TEST_SERV_EXEC
OF CO 1253
```



```
OFEO 1254 TS4:
OFEO 1255 TESTSERV DASSGN,ERR,SATS, -
OFEO 1256 <1,CHAN_DAS, -
OFEO 1257 CHAN_DAS10,NOPRIV, - : SFDAS10
OFEO 1258 CHAN_DAS11,IVCHAN, - : SFDAS11
OFEO 1259 CHAN_DAS12,IVCHAN, - : SFDAS12
OFEO 1260 >, -
OFEO 1261
OFEO 1262 TS_CLEANUP ; CLEAN UP & RETURN TO TEST_SERV_EXEC
10B4 1263
```

```

10D4 1264 TS5:
10D4 1265 TESTSERV DELMBX,ERR,SATS, -
10D4 1266 <1,CHAN_DMX, -
10D4 1267 CHAN_DMX10,NOPRIV, - ; SFDMX10
10D4 1268 CHAN_DMX11,NOPRIV, - ; SFDMX11
10D4 1269 CHAN_DMX12,IVCHAN, - ; SFDMX12
10D4 1270 CHAN_DMX13,IVCHAN, - ; SFDMX13
10D4 1271 CHAN_DMX14,DEVNOTMBX, - ; SFDMX14
10D4 1272 >, -
10D4 1273
10D4 1274
11B8 1275 TS_CLEANUP ; CLEAN UP & RETURN TO TEST_SERV_EXEC

```


SATSSF09
V04-000

- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:38:08 VAX/VMS Macro V04-00 Page 54
EXECUTE & CLEANUP 5-SEP-1984 04:28:29 [UETPSY.SRC]SATSSF09.MAR;1 (2)

				11D8	1276	.SBTTL EXECUTE & CLEANUP	
				11D8	1277	EXECUTE:	
				11D8	1278	TEST_SERV_EXEC	; EXECUTE ALL T. CASES IN ALL GROUPS
				120A	1279	CLEANUP:	
00000044'EF	01	1C	0138	30	120A	1280	BSBW MOD_MSG_PRINT ; PRINT TEST MODULE END MSG
			01	FO	120D	1281	INSV #1,STS\$V_INHIB_MSG,#1,MOD_MSG_CODE
					1216	1282	; INHIBIT PRINTING
					1216	1283	\$EXIT_S MOD_MSG_CODE ; EXIT TO OP SYS WITH MSG CODE

```
1223 1285 .SBTTL TC_CONTROL
1223 1286 :++
1223 1287 : FUNCTIONAL DESCRIPTION:
1223 1288 :
1223 1289 : THE TC CONTROL SUBROUTINE IS CALLED BY THE TEST_SERV_EXEC
1223 1290 : MACRO TO EXECUTE A GROUP OF TEST CASES. A GROUP IS DEFINED BY A TC_GROUP
1223 1291 : MACRO. FOR EACH TC_GROUP MACRO, THERE IS A CORRESPONDING TESTSERV MACRO.
1223 1292 : TESTSERV CONTAINS CODE TO EXECUTE SYSTEM SERVICES AND CHECK THE RETURNED
1223 1293 : STATUS CODE VALUES. TESTSERV ARGUMENTS ARE CODED TO SPECIFY ALL THE SYSTEM
1223 1294 : SERVICE ARGUMENT VALUES AND THE EXPECTED STATUS CODE FOR EACH TEST CASE
1223 1295 : DEFINED BY A NEXT TEST CASE MACRO WITHIN THE GROUP. TC CONTROL USES A
1223 1296 : CO-ROUTINE INTERFACE TO ENTER THE CODE OF THE APPROPRIATE TESTSERV MACRO
1223 1297 : IN VARIOUS PLACES. THE FIRST ENTRY OCCURS ONCE PER GROUP TO ALLOW TESTSERV
1223 1298 : TO DO SOME INITIALIZATION. THEN TWO ENTRIES ARE MADE FOR EACH TEST CASE IN
1223 1299 : THE GROUP. THE FIRST ALLOWS TESTSERV TO ISSUE THE SUBJECT SYSTEM SERVICE.
1223 1300 : THE SECOND ENTRY FOR THE TEST CASE CAUSES TESTSERV TO CHECK THE RETURNED
1223 1301 : STATUS CODE, PRINTING A FAILURE MESSAGE IF IT IS NOT THE EXPECTED CODE.
1223 1302 : IF THERE ARE NO MORE TEST CASES IN THE CURRENT GROUP, TESTSERV (NOT TC CONTROL)
1223 1303 : RETURNS DIRECTLY TO TEST_SERV_EXEC (RSB ACTUALLY ISSUED IN TS_CLEANUP MACRO)
1223 1304 : FROM THIS SECOND ENTRY; OTHERWISE, CONTROL RETURNS TO TC CONTROL WHICH
1223 1305 : IN TURN ENTERS TESTSERV AGAIN FOR THE NEXT TEST CASE. THE FAILURE OF A
1223 1306 : TEST CASE DOES NOT CAUSE TERMINATION OF THE TEST MODULE.
1223 1307 :
1223 1308 : CALLING SEQUENCE:
1223 1309 :
1223 1310 : BSBW TC_CONTROL (ISSUED WITHIN THE TEST_SERV_EXEC MACRO)
1223 1311 : (RSB IS ISSUED WITHIN THE TS_CLEANUP MACRO)
1223 1312 :
1223 1313 : INPUT PARAMETERS:
1223 1314 :
```



```
1223 1316 : NONE
1223 1317 :
1223 1318 : IMPLICIT INPUTS:
1223 1319 :
1223 1320 : ARGUMENTS SPECIFIED ON EACH TESTSERV MACRO MAY BE VIEWED AS
1223 1321 : INPUTS, SINCE TC_CONTROL AND TESTSERV ACT AS CO-ROUTINES.
1223 1322 :
1223 1323 : OUTPUT PARAMETERS:
1223 1324 :
1223 1325 : SEVERITY CODE FIELD OF MOD MSG CODE (BITS 0,1,2) IS SET TO ERROR
1223 1326 : IF ANY TEST CASE IN THE CURRENT GROUP FAILS; OTHERWISE IT REMAINS
1223 1327 : SET TO SUCCESSFUL.
1223 1328 :
1223 1329 : IMPLICIT OUTPUTS:
1223 1330 :
1223 1331 : %UETP-I-TEXT, ERROR MESSAGES ARE WRITTEN TO SYSS$OUTPUT BY
1223 1332 : THE TESTSERV MACRO (CO-ROUTINE WITH TC_CONTROL)
1223 1333 :
1223 1334 : COMPLETION CODES:
1223 1335 :
1223 1336 : NONE
1223 1337 :
1223 1338 : SIDE EFFECTS:
1223 1339 :
1223 1340 : NONE
1223 1341 :
1223 1342 : --
1223 1343 :
1223 1344 :
1223 1345 :
1223 1346 : TC_CONTROL:
00000064'EF DD 1223 1347 : PUSHL TS EP : PUSH TESTSERV ENTRY POINT
9E 16 1229 1348 : JSB @($P)+ : ENTER TESTSERV INITIALIZATION
00000056'EF 20 90 122B 1349 10$: : : PROCESS NEXT TEST CASE
002F 30 1232 1350 : MOVB #^A/ /,$$TSTN$$+2 : MAKE SURE T.C. NAME HAS A BLANK
00000004'FF 16 1235 1351 : BSBW REG SAVE : SAVE REGISTERS
0037 30 123B 1352 : JSB @CURRENT_TC : JUMP TO CURRENT TEST CASE
9E 16 123E 1353 : BSBW REG REST : RESTORE REGS FOR TESTSERV
0042 30 1240 1354 : JSB @($P)+ : LET TESTSERV ISSUE SYSTEM SERVICE
1243 1355 : BSBW REG_COMP : COMPARE REGS TO SEE IF ...
1243 1356 : : ... SYSTEM SERVICE CHANGED ANY
00000056'EF 9E 16 1243 1357 : JSB @($P)+ : LET TESTSERV CHEK S.S. STATUS CODE
2A 91 1245 1358 : CMPB #^A/*/$$TSTN$$+2 : HAS TESTSERV INDICATED FAILURE ?
DD 12 124C 1359 : BNEQU 10$ : NO -- PROCESS NEXT TEST CASE
00000060'EF 00000088'EF DE 124E 1360 : MOVAL TEST MOD FAIL,TMD ADDR : YES -- INDICATE FAILED IN END MSG
00000044'EF 03 00 02 FO 1259 1361 : INSV #ERROR,#0,#3,MOD_MSG_CODE : ADJUST STATUS CODE FOR ERROR
C7 11 1262 1362 : BRB 10$ : LOOP BAK TO PROCESS NEXT TEST CASE
1264 1363 :
1264 1364 : TC_CONTROL RETURNS TO TEST_SERV_EXEC VIA TESTSERV (IN TS_CLEANUP MACRO)
1264 1365 :
```

```
1264 1367 .SBTTL SUBROUTINES
1264 1368 REG_SAVE:
1264 1369 :
1264 1370 : *****
1264 1371 : *
1264 1372 : * SAVES R0 THRU SP IN REG_SAVE_AREA
1264 1373 : *
1264 1374 : *****
1264 1375 :
1264 1376 : PUSHR #R0_THRU_SP ; SAVE ALL REGS ON STACK
1268 1377 : MOV C3 #60,(SP),REG_SAVE_AREA ; SAVE REGS (BEFORE S.S.)
1270 1378 : POPR #R0_THRU_SP ; CLEAN UP STACK
1274 1379 : RSB ; .... AND RETURN
1275 1380 :
1275 1381 :
1275 1382 :
1275 1383 :
1275 1384 REG_REST:
1275 1385 :
1275 1386 :
1275 1387 : *****
1275 1388 : *
1275 1389 : * RESTORES R0 THRU SP FROM REG_SAVE_AREA
1275 1390 : *
1275 1391 : *****
1275 1392 :
1275 1393 :
1275 1394 :
1275 1395 :
1284 1396 :
1275 1393 : SUBL2 #60,SP ; MOVE SP TO MAKE ROOM FOR REGS
1278 1394 : MOV C3 #60,REG_SAVE_AREA,(SP) ; MOVE REGS ONTO STACK FOR POP
1280 1395 : POPR #R0_THRU_SP ; RESTORE ALL REGS FOR TESTSERV
1284 1396 : RSB ; ... AND RETURN
```

00000008'EF 7FFF 8F BB 1264 1376
6E 3C 28 1268 1377
7FFF 8F BA 1270 1378
05 1274 1379

6E 00000008'5E 3C C2 1275 1393
EF 3C 28 1278 1394
7FFF 8F BA 1280 1395
05 1284 1396


```
1285 1398 REG_COMP:
1285 1399 :
1285 1400 : *****
1285 1401 : *
1285 1402 : * 1) PUSHES ALL REGS ONTO STACK *
1285 1403 : * 2) COMPARES REGISTER IMAGES FROM STACK WITH CORRESPONDING *
1285 1404 : * IMAGES FROM REG_SAVE_AREA FOR ALL REGISTERS SPECIFIED *
1285 1405 : * IN REG_COMP_MASK. *
1285 1406 : * 3) FOR EACH UNEQUAL COMPARE, AN ERROR MESSAGE IS PRINTED *
1285 1407 : * (USING $FAO AND $OUTPUT SYSTEM SERVICES). *
1285 1408 : * 4) POPS ALL REGS OFF OF STACK *
1285 1409 : *****
1285 1410 :
1285 1411 :
56 7FFF 8F BB 1285 1412 PUSHR #R0_THRU_SP : SAVE ALL REGISTERS ON STACK
00000008'EF DE 1289 1413 MOVAL REG_SAVE_AREA,R6 : POINT R6 TO BEG OF
54 5E D0 1290 1414 : : REGS (BEFORE S.S.)
53 FF 8F 98 1290 1415 MOVL SP,R4 : POINT R4 TO BEG OF
1293 1416 : : REGS (AFTER S.S.)
1293 1417 CVTBL #-1,R3 : INITIALIZE REG_COMP_MASK INDEX
1297 1418 REG_COMP_NEXT:
1297 1419 INCL R3 : POINT TO NEXT BIT IN MASK
53 0F 91 1299 1420 CMPB #15,R3 : END OF THE MASK ?
03 1A 129C 1421 BGTRU REG_COMP_CONT : NO -- CONTINUE
009F 31 129E 1422 BRW REG_COMP_RSB : YES -- GO TO COMMON RETURN
12A1 1423 REG_COMP_CONT:
84 86 D1 12A1 1424 CMPL (R6)+,(R4)+ : REG BEFORE = REG AFTER ?
F1 13 12A4 1425 BEQLU REG_COMP_NEXT : YES -- LOOK FOR NEXT REG
E9 00000000'EF 53 E1 12A6 1426 BBC R3,REG_COMP_MASK,REG_COMP_NEXT : NO -- GET NEXT IF BIT NOT SET
00000048'EF 53 D0 12AE 1427 : NO -- GIVE REG NUMBER TO FAO
0000004C'EF FC A6 D0 12B5 1429 MOVL -4(R6),REG_BEFORE_SS : GIVE 'BEFORE' CONTENTS TO FAO
00000050'EF FC A4 D0 12BD 1430 MOVL -4(R4),REG_AFTER_SS : GIVE 'AFTER' CONTENTS TO FAO
00000056'EF 2A 90 12C5 1431 MOVB #^A/^/, $$TSTN$$+2 : GIVE FAILURE INDIC'N IN ERROR MSG
12CC 1432 :
12CC 1433 $FAO_S ERR_MSG FAOCTL,OUTL,OUTD,$$SNAD$$, -
12CC 1434 $$ASEQ$$,$$PSEQ$$,CLOB_REG_NO,REG_BEFORE_SS,REG_AFTER_SS
12FF 1435 :
EE0E CF EDD8 CF B0 12FF 1436 MOVW OUTL,OUTD : ACTUAL OUTPUT LEN IN STRING DESC'R
1306 1437 PUTMSG <#UETPS TEXT,#1,#OUTD> : PRINT THE MSG
EDF2 CF 0084 8F B0 131B 1438 MOVW #OUTE-OUTB,OUTD : GET MAX LEN BACK INTO DESCRIPTOR
00000056'EF 20 90 1322 1439 MOVW #^A/ /,$$TSTN$$+2 : REMOVE FAIL INDIC'N FOR NEXT MSG
00000060'EF 00000088'EF DE 1329 1440 MOVAL TEST MOD_FAIL,TMD_ADDR : INDICATE FAILED IN END MSG
00000044'EF 03 00 02 F0 1334 1441 INSV #ERROR,#0,#3,MOD_MSG_CODE : ADJUST STATUS CODE FOR ERROR
FF57 31 133D 1442 BRW REG_COMP_NEXT : GO LOOK FOR NEXT REG TO COMPARE
1340 1443 REG_COMP_RSB:
7FFF 8F BA 1340 1444 POPR #R0_THRU_SP : CLEAN UP STACK
05 1344 1445 RSB : RETURN TO CALLER
```

```
1345 1447 MOD_MSG_PRINT:
1345 1448 :
1345 1449 : *****
1345 1450 : *
1345 1451 : * PRINTS THE TEST MODULE BEGUN/SUCCESSFUL/FAILED MESSAGES
1345 1452 : * (USING THE PUTMSG MACRO).
1345 1453 : *
1345 1454 : *****
1345 1455 :
05 1345 1456 PUTMSG <MOD_MSG_CODE,#2,TMN_ADDR,TMD_ADDR> : PRINT MSG
1360 1457 RSB ; ... AND RETURN TO CALLER
1361 1458 :
1361 1459 CHMRTN:
1361 1460 : *****
1361 1461 : *
1361 1462 : * CHANGE MODE ROUTINE. THIS ROUTINE GETS CONTROL WHENEVER
1361 1463 : * A CMKRNLC, CMEXEC, OR CMSUP SYSTEM SERVICE IS ISSUED
1361 1464 : * BY THE MODE MACRO ('TO' OPTION). IT MERELY DOES
1361 1465 : * A JUMP INDIRECT ON A FIELD SET UP BY MODE. IT HAS
1361 1466 : * THE EFFECT OF RETURNING TO THE END OF THE MODE
1361 1467 : * MACRO EXPANSION.
1361 1468 : *
1361 1469 : *****
1361 1470 :
00000079'FF 0000 1361 1471 .WORD 0 ; ENTRY MASK
1363 1472 JMP @CHM_CONT ; RETURN TO MODE MACRO IN NEW MODE
1369 1473 :
1369 1474 : * RET INSTR WILL BE ISSUED IN EXPANSION OF 'MODE FROM, ....' MACRO
1369 1475 :
1369 1476 .END SATSSF09
```


SATSSF09
Symbol table

B 10
- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:38:08 VAX/VMS Macro V04-00
5-SEP-1984 04:28:29 [UETPSY.SRC]SATSSF09.MAR;1

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(3)

\$\$\$CHARS = 00000048
\$\$\$FIRSTTC\$\$\$ = 00000000
\$\$\$STRINGS = 00000000
\$\$ACT\$\$ 000000F3 R 06
\$\$ARG\$\$ 000000FB R 06
\$\$ASEQ\$\$ 000000EB R 06
\$\$CALL\$\$ 000000DF R 06
\$\$DISP\$\$ 000001E6 R 06
\$\$ERR\$\$ 000001A0 R 06
\$\$EXP\$\$ 000000F7 R 06
\$\$INIT\$\$ 000000E3 R 06
\$\$MAXP\$\$ = 00000005
\$\$PSEQ\$\$ 000000EF R 06
\$\$SNAD\$\$ 000000E7 R 06
\$\$T1 = 00000004
\$\$T2 = 00000009
\$\$TSTN\$\$ 00000054 R 03
ACMODE_ASN 00000280 R 02
CHAN_ASN 00000118 R 03
CHAN_ASN20 0000027C R 02
CHAN_DAS 0000011A R 03
CHAN_DAS10 0000011E R 03
CHAN_DAS11 00000274 R 02
CHAN_DAS12 00000278 R 02
CHAN_DMx 00000122 R 03
CHAN_DMx10 00000126 R 03
CHAN_DMx11 0000012A R 03
CHAN_DMx12 00000274 R 02
CHAN_DMx13 00000278 R 02
CHAN_DMx14 0000012E R 03
CHAN_GCH 00000110 R 03
CHAN_GCH10 00000274 R 02
CHAN_GCH11 00000278 R 02
CHAN_GCH12 00000114 R 03
CHMRTN 00001361 R 06
CHM CONT 00000079 R 03
CLEANUP 0000120A R 06
CLOB REG NO 00000048 R 03
CTLSGL PHD ***** X 06
CURRENT TC 00000004 R 03
DEVNAM_ASN 000000BD R 02
DEVNAM_ASN10 000000D8 R 02
DEVNAM_ASN11 000001E8 R 02
DEVNAM_ASN12 00000018 R 05
DEVNAM_GDV 000000BD R 02
DEVNAM_GDV10 000000CD R 02
DEVNAM_GDV11 000000D8 R 02
DEVNAM_GDV12 000000E0 R 02
DEVNAM_GDV13 000001E8 R 02
DEVNAM_GDV14 00000008 R 05
EMPTY 00000000 R 04
ERROR = 00000002
ERR_MSG_FAOCTL 00000002 R 02
EXECUTE 000011D8 R 06
GRP TOTAL = 00000005
INADR 000000A9 R 02
INFO = 00000003

LIB\$SIGNAL
MBXNAM_ASN
MBXNAM_ASN40
MBXNAM_ASN41
MBXNAM_ASN42
MBXNAM_ASN43
MEXIT
MOD_MSG_CODE
MOD_MSG_PRINT
MY_DISK
NARGS
NOACCESS
NSSARGS
ONES
OUTB
OUTD
OUTE
OUTL
PHD\$Q PRIVMSK
PRIBUF_GCH
PRIBUF_GCH30
PRIBUF_GCH31
PRIBUF_GDV
PRIBUF_GDV30
PRIBUF_GDV31
PRILEN_GCH
PRILEN_GCH20
PRILEN_GDV
PRILEN_GDV20
PRIVMASK
PRIV_ARGS
PROT
PRT\$C_NA
PRV\$V-PRMMBX
PRVPRT
PSL\$C_USER
RO_THRU_SP
REGS
REG_AFTER_SS
REG_BEFORE_SS
REG_COMP
REG_COMP_CONT
REG_COMP_MASK
REG_COMP_NEXT
REG_COMP_RSB
REG_REST
REG_SAVE
REG_SAVE_AREA
RETADR
SATSSF09
SECBUF_GCH
SECBUF_GCH50
SECBUF_GCH51
SECBUF_GDV
SECBUF_GDV50
SECBUF_GDV51
SECLN_GCH

***** X 06
= 00000000
000000E0 R 02
00000284 R 02
000000BD R 02
00000028 R 05
= 00000000
00000044 R 03
00001345 R 06
00000264 R 02
= 00000018
00000000 R 05
= 00000001
000000B5 R 02
0000011C R 06
00000114 R 06
000001A0 R 06
000000DB R 06
= 00000000
00000093 R 03
000000FF R 03
000001F8 R 02
00000093 R 03
000000FF R 03
000001F8 R 02
00000091 R 03
000001F6 R 02
00000091 R 03
000001F6 R 02
00000071 R 03
= 00000002
000000B1 R 02
***** X 02
= 0000000B
00000070 R 03
= 00000003
= 00007FFF
0000007D R 03
00000050 R 03
0000004C R 03
00001285 R 06
000012A1 R 06
00000000 R 02
00001297 R 06
00001340 R 06
00001275 R 06
00001264 R 06
00000008 R 03
00000068 R 03
00000000 R 06
00000093 R 03
00000108 R 03
000001F8 R 02
00000093 R 03
00000108 R 03
000001F8 R 02
00000091 R 03

SATSSF09
Symbol table

SECLN_GCH40	000001F6	R	02
SECLN_GDV	00000091	R	03
SECLN_GDV40	000001F6	R	02
SEVERE	= 00000004		
SHRSK_SHRDEF	= 00000001		
SHRS_TEXT	= 00001130		
SS\$_ACCVIO	*****	X	06
SS\$_BUFFEROVF	*****	X	06
SS\$DEVNOTMBX	*****	X	06
SS\$IVCHAN	*****	X	06
SS\$IVDEVNAM	*****	X	06
SS\$IVLOGNAM	*****	X	06
SS\$NOPRIV	*****	X	06
SS\$NOSUCHDEV	*****	X	06
ST\$V_INHIB_MSG	= 0000001C		
SUCCESS	= 00000001		
SYSS\$ASSIGN	*****	GX	06
SYSS\$CMEXEC	*****	GX	06
SYSS\$CMKRN	*****	GX	06
SYSS\$CREMBX	*****	GX	06
SYSS\$DASSGN	*****	GX	06
SYSS\$DELMXB	*****	GX	06
SYSS\$EXIT	*****	GX	06
SYSS\$FAO	*****	X	06
SYSS\$FAOL	*****	GX	06
SYSS\$GETCHN	*****	GX	06
SYSS\$GETDEV	*****	GX	06
SYSS\$HIBER	*****	GX	06
SYSS\$SETPRN	*****	GX	06
SYSS\$SETPRT	*****	GX	06
SYSS\$SETPRV	*****	GX	06
SYSS\$WAKE	*****	GX	06
TC1	00000241	R	06
TC2	000002E1	R	06
TC3	000003DD	R	06
TC4	00000459	R	06
TC5	000004F8	R	06
TCG_NO	= 00000005		
TC_CONTROL	00001223	R	06
TEST_MOD_BEG	00000077	R	02
TEST_MOD_FAIL	00000088	R	02
TEST_MOD_NAME	0000006E	R	02
TEST_MOD_NAME_D	0000008F	R	02
TEST_MOD_SUCC	0000007D	R	02
TMD_ADDR	00000060	R	03
TMN_ADDR	0000005C	R	03
TPID	00000000	R	03
TS1	00000635	R	06
TS2	000009AD	R	06
TS3	00000D1A	R	06
TS4	00000FE0	R	06
TS5	000010D4	R	06
TS_EP	00000064	R	03
TTRNAME	0000009F	R	02
UETPS_SATSMS	= 007480D9		
UETPS_TEXT	= 00741133		
WARNING	= 00000000		

+-----+
! Psect synopsis !
+-----+

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$ABSS	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
RODATA	0000028F (655.)	02 (2.)	NOPIC USR CON REL LCL NOSHR NOEXE RD NOWRT NOVEC LONG
RWDATA	00000132 (306.)	03 (3.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC BYTE
SATS_ACCVIO_1	00000200 (512.)	04 (4.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC PAGE
SATS_ACCVIO_2	00000200 (512.)	05 (5.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC PAGE
SATSSF09	00001369 (4969.)	06 (6.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC LONG

+-----+
! Performance indicators !
+-----+

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.08	00:00:00.43
Command processing	107	00:00:00.60	00:00:02.42
Pass 1	474	00:00:21.25	00:00:41.87
Symbol table sort	11	00:00:01.38	00:00:02.83
Pass 2	407	00:00:05.61	00:00:13.29
Symbol table output	23	00:00:00.16	00:00:00.31
Psect synopsis output	6	00:00:00.04	00:00:00.04
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	1059	00:00:29.12	00:01:01.19

The working set limit was 900 pages.
116701 bytes (228 pages) of virtual memory were used to buffer the intermediate code.
There were 50 pages of symbol table space allocated to hold 689 non-local and 209 local symbols.
1476 source lines were read in Pass 1, producing 34 object records in Pass 2.
69 pages of virtual memory were used to define 53 macros.

+-----+
! Macro library statistics !
+-----+

Macro library name	Macros defined
_\$255\$DUA28:[SHRLIB]UETP.MLB;1	19
-\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	2
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2	26
TOTALS (all libraries)	47

1319 GETS were required to define 47 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:SATSSF09/OBJ=OBJ\$:SATSSF09 MSRC\$:SATSSF09/UPDATE=(ENH\$:SATSSF09)+EXECML\$/LIB+SHRLIB\$:UETP/LIB

0419 AH-BT13A-SE
VAX/VMS V4.0

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